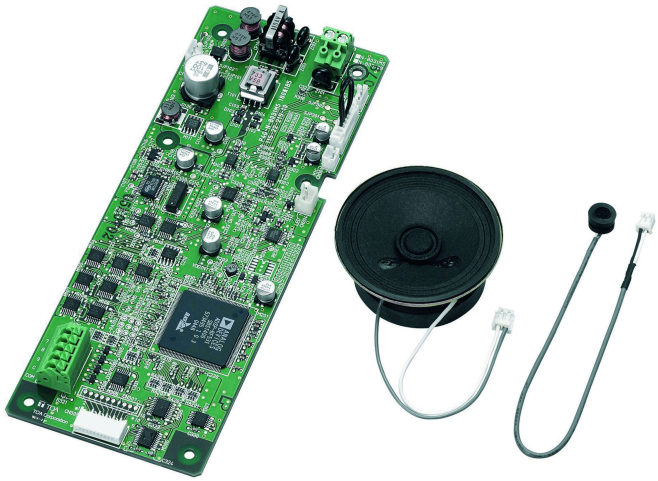
N-8031SB

STATION BOARD



The N-8031SB is a printed circuit board unit for the N-8031MS Flush-mount Hands-Free Master Station, You can make the master station suitable for applications using the N-8031SB in combination with the operation panel section to be prepared separately.

Key features

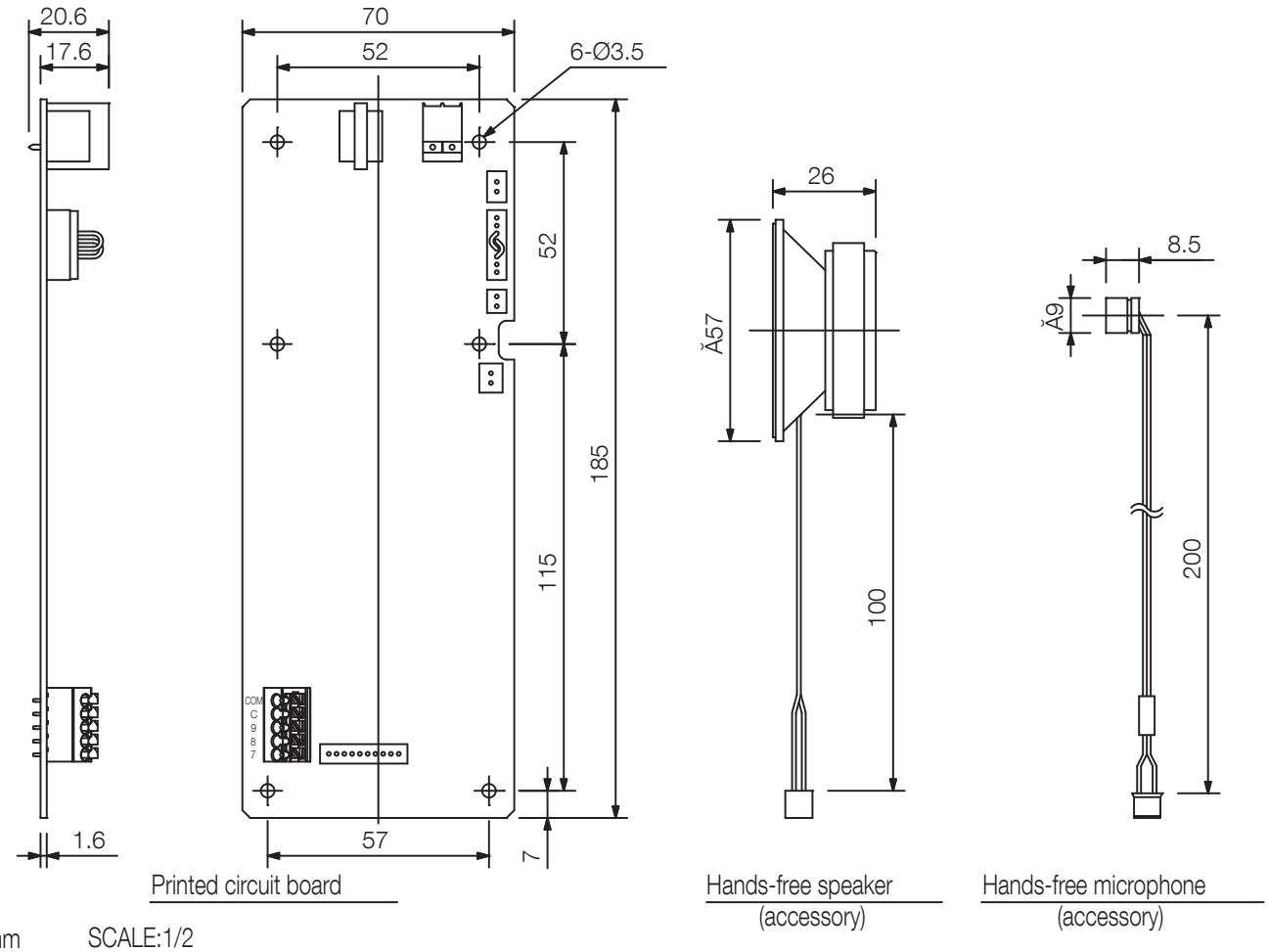
- For custom made solutions
- Features like N-8031MS

Specifications

* 0 dB = 1 V

Power Source	48 V DC (supplied from the IP intercom exchange (option)
Power Consumption	1.8 W (at rated), 2.4 W (max.)
Wiring Method	Non-polar one pair stranded wire system
Transmission System	2 wire 160 kbps echo canceller transmission system
Signal Level	Under 0 dB*
Speech Method	Hands-free conversation (Handset conversation can be established in conjunction with the RS-191 (option).
Audio Frequency Range	300 Hz - 7 kHz
Transmission Range	Max. 1500 m (#0.65 mm, Loop resistance 170 Ω)
Hands-free	Speaker (accessory): 5.7 cm cone-type, 0.6 W, 8 Ω Microphone (accessory): Omni-directional electret condenser microphone
Dial Input	Solderless connector (10 pins, male), open voltage: 3.3 V DC, short-circuit current: 1 mA
External Dial Input	No-voltage make contact input, open voltage: 5 V DC, short-circuit current: 1 mA, screwless connector (5 pins)
Line Connecting Terminal	Pin header (2 pins)
Status LED Connecting Terminal	Solderless connector (2 pins, male), voltage: 5 V, maximum load current: 5 mA
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	Under 90 % RH (no condensation)
Dimensions	70 (W) x 185 (H) x 20.6 (D) mm
Weight	205 g (including accessories)
Included Accessories	Removable terminal plug (2 pins, preinstalled on the unit) …1, Handset jumper (8 pins, preinstalled on the unit) …1, Ferrite clamp …1, Hands-free speaker (with connection cord) …1, Hands-free microphone (with connection cord) …1
Optional Accessories	Option handset: RS-191

Dimensions



UNIT:mm SCALE:1/2

A&E specifications

The hands-free master station board unit is designed for use with TOA's packet intercom system (IP network compatible intercom system) that employs the packet audio technology.
The hands-free master station board unit allows the user to mount the unit into a customized housing of their choice.
The hands-free master station board unit is a 2-wire system and shall be capable of automatic duplex hands free operation without the use of handsets and shall employ echo cancellation. Handset conversation can be established in conjunction with the optional model RS-191 (manufactured by TOA Corporation). The master station board unit shall have 4 control inputs to facilitate automatic call selection allowing the user to make calls via a contact such as a footswitch.
The master station shall also perform the following features: Voice calling, Automatic connection, Continuous call, One-touch dialing, Call hold, Automatic call forwarding, Emergency paging, Scan monitoring, Three-party conference and many more.
The dimension of the master station board unit shall be 70 (W) × 185 (H) × 20.6 (D) mm (2.76” x 7.28” x 0.81”). Weight shall be 205 g (0.45 lb.)
Optional extras: RS-191 handset manufactured by TOA Corporation.